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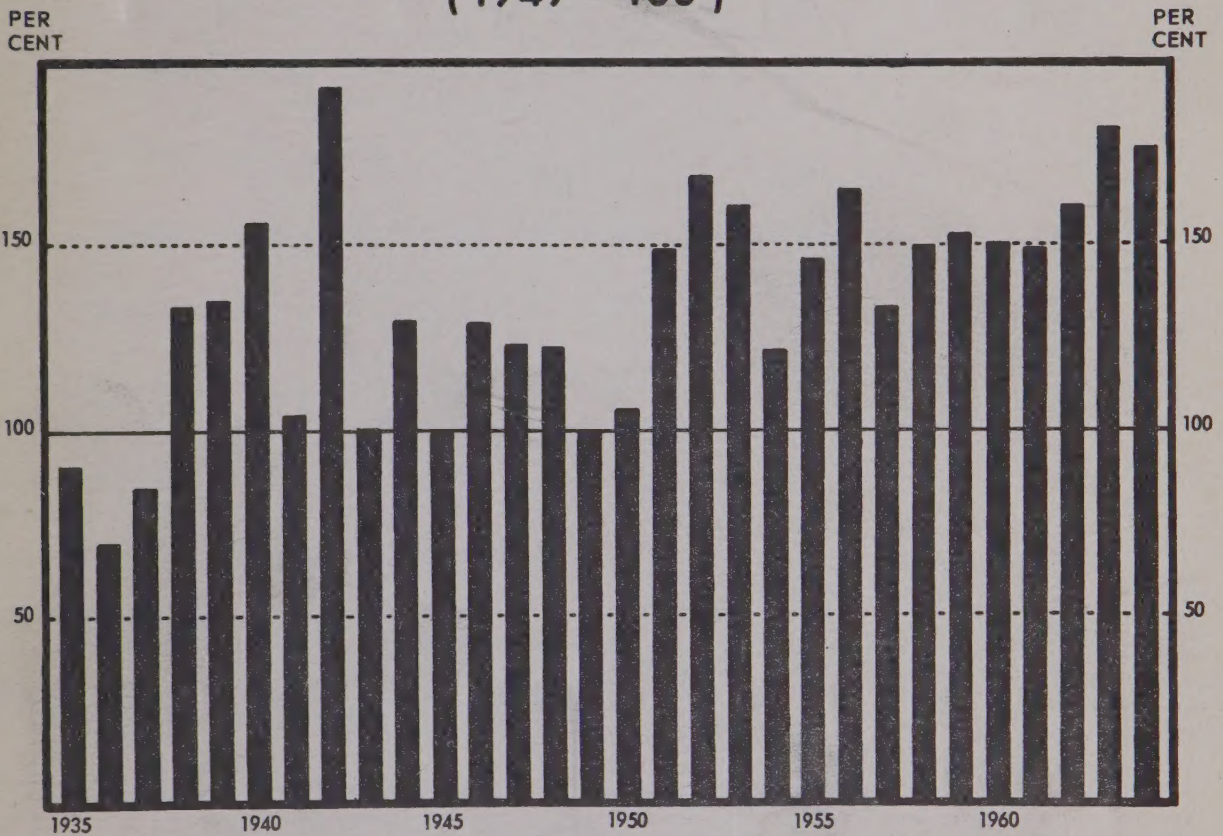
STATISTICS OF AGRICULTURE FOR ALBERTA 1963 AND 1964

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INDEX OF THE PHYSICAL VOLUME OF AGRICULTURAL PRODUCTION, ALBERTA, 1935 - 1964 (1949 = 100)



Prepared by:
Farm Economics Branch

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Extension Service

Hon. Harry E. Strom
Minister



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FIELD CROPS

Cold, windy weather, dry surface soils and some snow in April delayed spring operations. At May 2 very little seeding had been done. However, at Taber 30 per cent of the sugar beets, and some carrots, peas and beans had been sown.

Although subsoil supplies varied from poor to only fair, there was sufficient moisture available to start early-sown crops. Because of low temperatures, the germination of weedseeds was slow and, where weed control was essential, seeding was purposely delayed.

Above normal rainfall was received in May further delaying field operations. In the south, crusted soils interfered with emergence. By the end of the month most of the seeding was completed; only greenfeed and barley to be sown late on land infested with wild oats remained. Surface moisture was ideal for germination in all regions.

Crops sown early were doing well at the middle of June but surface soils were drying rapidly and fields seeded late were not germinating evenly. In some districts farmers were waiting for moisture before seeding late crops. Eventually planting intentions were carried out except in eastern Peace River where some land intended for wheat was sown to rapeseed and coarse grains because the season got too late for wheat.

Streak mosiac in the south resulted in from 10 to 40 per cent of the winter wheat being cultivated out. Damage from pale western cutworm was reported as far north as Nobleford but little reseeding was necessary. Grasshopper infestations were not as widespread or severe as anticipated. Only light damage resulted.

Precipitation in June varied from damaging downpours to light showers. In general the moisture situation was good in the foothills to fair at Medicine Hat; fair in east-central areas; fair to poor east and north of Edmonton; good in western areas; and somewhat spotty in the Peace River country.

During July hot, dry weather reduced crop prospects in east-central and northern areas but elsewhere normal crop development was fairly general. Early seeded crops fertilized and on summerfallow were the most promising. At the end of the month crop correspondents indicated that a general rain would be welcome in all areas south of the Peace River.

Fall rye and winter wheat was harvested in the first two weeks of August. Yields were good. However, spring crops on dryland in the south had deteriorated due to hot, windy weather. This situation extended up the eastern part of the province where rains had been spotty. Prospects were better but variable in central and western regions. Too much rain was retarding crop development in the Peace River district.

ESTIMATED ACREAGE, PRODUCTION AND YIELD OF PRINCIPAL FIELD CROPS BY DISTRICT IN ALBERTA, 1963 AND 1964

A.R.A.	DISTRICT	'000 ACRES		BUSHEL PER ACRE		PRODUCTION '000 BU.	
		1963	1964	1963	1964	1963	1964
		<u>ALL WHEAT</u>					
1	Med. Hat-Hanna	1,019	1,069	15.0	13.3	15,320	14,215
2	Leth.-Drum.	1,709	1,840	25.9	27.6	44,342	50,740
3	Ft. Macleod-Calg.	558	653	28.5	26.1	15,897	17,045
4	Sedgewick-Veg.	1,622	1,780	33.3	20.4	54,030	36,316
5	Red Deer-Edmonton	217	261	30.5	29.8	6,628	7,769
6	St.Paul-Athabasca	410	432	21.1	19.8	8,641	8,535
7	Peace River	398	460	10.4	22.8	4,136	10,483
	PROVINCE	5,933	6,495	25.1	22.3	149,000	145,000

OATS FOR GRAIN

1	Med. Hat-Hanna	111	54	39.8	26.1	4,422	1,410
2	Leth.-Drum.	218	154	55.7	50.3	12,132	7,749
3	Ft. Macleod-Calg.	276	211	64.7	48.3	17,849	10,201
4	Sedgewick-Veg.	749	565	56.4	31.5	42,255	17,731
5	Red Deer-Edmonton	483	436	57.6	46.2	27,803	20,165
6	St.Paul-Athabasca	358	340	39.7	38.8	14,216	13,196
7	Peace River	229	190	26.4	46.4	6,046	8,816
	PROVINCE	2,424	1,950	51.2	40.5	124,000	79,000

BARLEY

1	Med. Hat-Hanna	98	89	24.0	23.1	2,352	2,055
2	Leth.-Drum.	401	367	44.5	42.8	17,863	15,715
3	Ft. Macleod-Calg.	453	498	49.0	40.8	22,181	20,340
4	Sedgewick-Veg.	469	440	41.5	23.3	19,480	10,078
5	Red Deer-Edmonton	925	940	39.8	32.4	36,777	30,435
6	St.Paul-Athabasca	437	431	26.2	28.3	11,469	12,178
7	Peace River	625	555	15.1	30.5	9,438	16,928
	PROVINCE	3,408	3,320	34.9	32.2	119,000	107,000

FLAXSEED

1	Med. Hat-Hanna	21.2	43.7	10.5	5.9	222.6	258.7
2	Leth.-Drum.	104.7	143.6	15.8	13.4	1,654.3	1,922.5
3	Ft. Macleod-Calg.	33.9	47.6	16.4	13.6	556.0	646.3
4	Sedgewick-Veg.	14.5	17.8	15.5	14.6	224.4	260.8
5	Red Deer-Edmonton	3.8	4.9	17.0	15.3	64.6	75.1
6	St.Paul-Athabasca	28.9	26.7	12.3	15.5	355.5	413.1
7	Peace River	96.0	85.7	6.5	8.4	624.0	725.0
	PROVINCE	303.0	370.0	12.2	11.6	3,700.0	4,300.0

A.R.A.	DISTRICT	'000 ACRES		YIELD		PRODUCTION	
		1963	1964	PER ACRE		1963	1964
				1963	1964		
				- bu.	-	- '000 bu.	-
RAPESEED							
1 - 3		12.1	22.8	23.2	18.0	280	410
4A- 6		80.4	132.9	24.2	19.2	1,940	2,550
7		130.5	248.3	10.3	14.1	1,340	3,500
PROVINCE		223.0	404.0	16.0	16.0	3,560	6,460
ALL RYE							
1 - 3		160.5	146.2	14.5	20.4	2,330.4	2,987.2
4A- 6		31.4	26.0	20.2	15.7	635.9	409.2
7		8.5	9.7	14.5	24.2	123.0	234.7
PROVINCE		200.4	181.9	15.9	19.2	3,180.0	3,500.0
TAME HAY							
				- tons	-	- '000 tons	-
1 Med. Hat-Hanna		133.3	134.2	1.18	0.98	157.3	131.5
2 Leth.-Drum.		186.6	186.1	1.96	1.86	365.7	346.1
3 Ft. Macleod-Calg.		361.4	353.2	1.40	1.35	527.6	476.8
4 Sedgewick-Veg.		415.2	411.8	1.67	0.96	693.7	396.5
5 Red Deer-Edmonton		632.8	643.8	1.68	1.45	1,063.1	933.5
6 St. Paul-Athabasca		476.3	484.4	1.35	1.23	643.1	595.8
7 Peace River		358.4	407.5	1.05	1.72	376.3	700.9
PROVINCE		2564.0	2628.0	1.48	1.37	3,800.0	3,600.0
OTHER CROPS							
				- bu.	-	- '000 bu.	-
Mixed Grain		309.0	328.0	42.1	33.5	13,000	11,000
Peas Dry		7.7	8.2	21.8	24.1	168	198
				- tons	-	- '000 tons	-
Sugar Beets		39.8	42.1	14.60	12.51	580	527
				- lb.	-	- '000 lb.	-
Sunflower Seed		1.5	7.5	1,025	300	1,538	2,250
Mustard Seed		72.0	35.0	850	657	61,200	23,000

SPECIAL SURVEY OF COMMERCIAL POTATO PRODUCTION AND NON - COMMERCIAL GROWER SURVEY

REGION	ACRES		CWT. PER ACRE		PRODUCTION '000 CWT.	
	1963	1964	1963	1964	1963	1964
Edmonton	3,880 ^{1/}	3,587	108.4	118.0	421	424
Calgary	175	191	89.3	94.0	16	18
Brooks	2,478	2,184	164.3	155.8	407	340
Leth.-Med. Hat	6,884	5,815	144.4	137.1	994	797
Certified Seed Potatoes	--	1,124	--	122.0	--	137
Sub Total	13,417	12,901	137.0	133.0	1,838	1,716
Non-Commercial Growers	8,083	8,199	81.9	87.0	662	713
TOTAL	21,500	21,100	116.3	115.1	2,500	2,429

^{1/} Includes certified seed potatoes for the province.

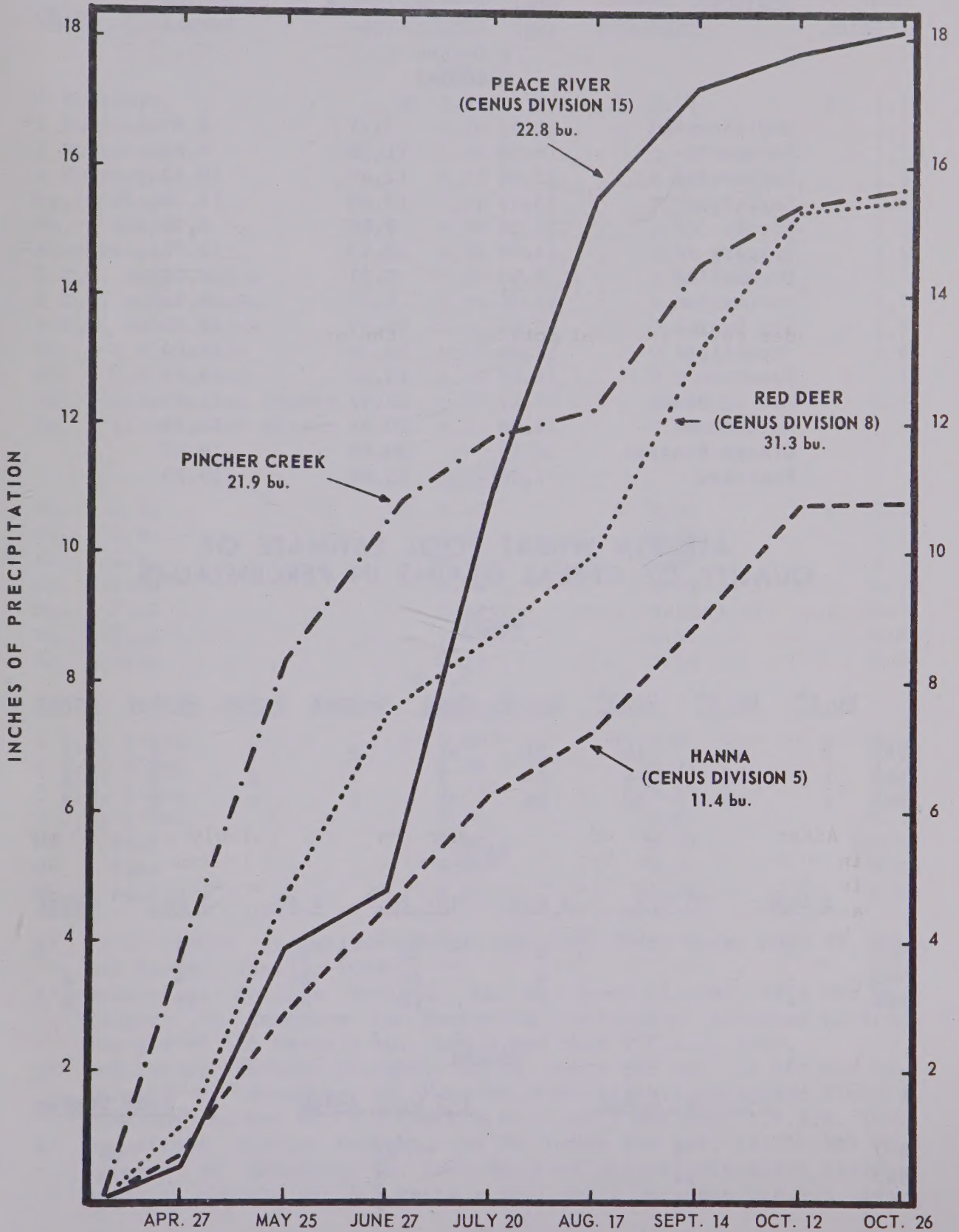
The canning pea harvest was nearing completion; yields were average, the quality good. Corn matured slowly and much of it was damaged by frost in September. Potato yields were only fair but the crop graded out well. A fair crop of sugar beets was produced.

Swathing early spring crops began in the south about mid-August. Operations soon extended throughout central regions and before the end of the month had commenced in most regions except for the Peace River region where crops were late.

After two weeks of wet weather harvesting slowly got underway again by September 16. Wet ground slowed operations in some districts. Grain threshed at this time showed high moisture content. It became apparent that a good proportion of the oats in the north and west would not be threshed because of frost. Sprouting in the swath occurred as far south as Medicine Hat but was most prevalent in central and northern regions.

The situation looked bleak. But fine weather returned and extended well into October permitting the completion of the harvest. An increase in operating cost and a reduction in the quality of grain produced were the main ill-effects of the inclement weather. A great deal of hay had been spoiled or put up in poor condition.

CUMULATIVE RECORD OF PRECIPITATION APRIL 1 - OCTOBER 26 AND ESTIMATED WHEAT YIELDS IN SELECTED AREAS, 1964



PRECIPITATION RECORDED AT SELECTED ALBERTA STATIONS
IN 1964 COMPARED TO 1963 AND THE LONG - TIME AVERAGE

<u>STATIONS</u>	<u>APRIL 1 - SEPTEMBER 28 INCLUSIVE</u>		
	1963	1964	Normal
	- inches - actual		
Medicine Hat	10.62	7.72	8.97
Foremost	6.70	11.36	9.84
Lethbridge	12.46	12.46	10.93
Cardston	13.11	17.09	11.70
Brooks	11.09	9.66	8.97
Calgary	13.49	12.53	12.70
Drumheller	8.96	9.61	8.98
Coronation	15.02	9.34	9.74
Red Deer	12.69	13.57	12.34
Vermilion	12.04	13.56	12.04
Edmonton	11.87	13.24	12.35
Lac La Biche	11.11	12.62	11.67
Whitecourt	12.08	20.83	14.69
Grande Prairie	6.16	20.69	9.67
Fairview	7.88	15.66	10.29

ALBERTA WHEAT POOL ESTIMATE OF
QUALITY OF CEREAL GRAINS IN PERCENTAGES

WHEAT

	<u>No.1^o</u>	<u>No.2^o</u>	<u>No.3^o</u>	<u>No.4^o</u>	<u>5,6 & Feed</u>	<u>Garnet</u>	<u>Durum</u>	<u>Winter</u>	<u>Other</u>
1962	3	13	16	21	40	2	3	1	1
1963	1	32	48	10	1	2	2	2	2
1964	1	10	20	28	32	1	3	2	3

OATS

	<u>2 C.W.</u>	<u>X3 C.W.</u>	<u>3 C.W.</u>	<u>X1 Fd.</u>	<u>1 Fd.</u>	<u>2 Fd.</u>	<u>Other</u>
1962	-	-	2	28	62	8	-
1963	-	-	4	28	62	4	2
1964	-	-	-	11	68	17	4

BARLEY

	<u>1-3 C.W. 6-Row</u>	<u>1-3 C.W. 2-Row</u>	<u>Feed Grades</u>
1962	9	5	86
1963	14	7	79
1964	5	5	90

CANADIAN WHEAT BOARD PAYMENTS ON BASIC GRADES, WHEAT, OATS, AND BARLEY 1963 - 64

<u>GRADE</u>	<u>INITIAL PAYMENT</u>	<u>FINAL PAYMENT</u> ^{1/}	<u>TOTAL PAYMENTS</u>
	<u>WHEAT</u> ^{2/}		
1 Northern	\$ 1.32	\$ 0.47	\$ 1.79
2 Northern	1.28	0.48	1.76
3 Northern	1.24	0.49	1.73
4 Northern	1.17	0.50	1.67
No. 5 Wheat	1.01	0.60	1.61
No. 6 Wheat	0.95	0.63	1.58
Feed Wheat	0.91	0.64	1.55
1 C.W. Amber Durum	1.32	0.43	1.75
2 C.W. Amber Durum	1.28	0.44	1.72
3 C.W. Amber Durum	1.24	0.40	1.64
No. 1 C.W. Garnet	1.17	0.47	1.64
No. 2 C.W. Garnet	1.12	0.50	1.62
No. 1 Alberta Red Winter	1.16	0.48	1.64
No. 2 Alberta Red Winter	1.11	0.50	1.61
	<u>OATS</u> ^{3/}		
No. 2 C.W.	\$ 0.47	\$ 0.09	\$ 0.56
Ex. 3 C.W.	0.44	0.10	0.54
No. 3 C.W.	0.44	0.09	0.53
Ex. 1 Feed	0.44	0.09	0.53
No. 1 Feed	0.42	0.10	0.52
No. 2 Feed	0.37	0.12	0.49
No. 3 Feed	0.33	0.13	0.46
	<u>BARLEY</u> ^{4/}		
2 C.W. 6-Row	\$ 0.80	\$ 0.21	\$ 1.01
3 C.W. 6-Row	0.78	0.22	1.00
2 C.W. 2-Row	0.73	0.27	1.00
3 C.W. 2-Row	0.70	0.25	0.95
No. 1 Feed	0.69	0.23	0.92
No. 2 Feed	0.66	0.24	0.90
No. 3 Feed	0.62	0.26	0.88

1/ Pools closed as follows: Wheat, Jan. 22, 1965; Oats, Feb. 26, 1965; and Barley, Jan. 8, 1965.

2/ Deductions include freight, at 20 cents a cwt. (12¢ per bu.) Calgary or Edmonton to Vancouver, estimated elevator handling charges of 4.5 cents a bu., and 1 per cent P.F.A.A. levy.

3/ Deductions include freight, at 26 cents per cwt. (8.84¢ per bu.) Calgary or Edmonton to Fort Wm.-Port Arthur; estimated elevator handling charges of 3.6 cents a bu.; and 1 per cent P.F.A.A. levy.

4/ Deductions include freight, at 26 cents per cwt. (12.5¢ per bu.) Calgary or Edmonton to Fort Wm.-Port Arthur; estimated elevator handling charges of 4.5 cents a bu.; and 1 per cent P.F.A.A. levy.

MONTHLY AVERAGE CASH GRAIN PRICES 1964

	<u>JAN.</u>	<u>FEB.</u>	<u>MAR.</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG.</u>	<u>SEPT.</u>	<u>OCT.</u>	<u>NOV.</u>	<u>DEC.</u>	<u>YEAR</u>
WHEAT - Canadian Wheat Board Basis in Store Vancouver.													
1 Northern	210	212/2	212/2	212/3	210/1	209/1	210/7	210/2	209	208/6	208/4	208/4	210/1
2 Northern	206	209/1	209/2	209/3	206/6	205/7	207/7	207/5	208	207/6	207/4	207/4	207/5
3 Northern	205	207/2	207/2	207/3	205/1	204/3	206/3	206/1	206/4	206/2	205/5	205/4	206/1
4 Northern	198	200/2	200/2	200/3	198/1	197/3	199/3	199/1	199/4	199/2	199	199	199/1
5 Wheat	189	192/7	193/2	193/3	190/1	188/7	190/7	190/5	191	190/6	190/4	190/4	191
6 Wheat	187	190	190/2	190/3	187/6	186/7	188/7	188/5	189	188/6	188/4	188/4	188/5
Feed Wheat	184	187	187/2	187/3	184/6	183/7	185/7	185/5	186	185/6	185/4	185/4	185/5
1 C.W. Garnet	190	193/7	194/2	194/3	191/1	189/7	191/7	191/5	192	191/6	191/4	191/4	192
2 C.W. Garnet	189	192/7	193/2	193/3	190/1	188/7	190/7	190/5	191	190/6	190/4	190/4	191
3 C.W. Garnet	188	191/7	192/2	192/3	189/1	187/7	189/7	189/5	190	189/6	189/4	189/4	190
1 Alta Red Win	190	193/7	194/2	194/3	191/1	189/7	191/7	191/5	192	191/6	191/4	191/4	192
2 Alta Red Win	189	192/7	193/2	193/3	190/1	188/7	190/7	190/5	191	190/6	190/4	190/4	191
3 Alta Red Win	188	191/7	192/2	192/3	189/1	187/7	189/7	189/5	190	189/6	189/4	189/4	190

OATS - Canadian Wheat Board Basis in Store Fort Wm./Port Arthur

2 C.W.	78/5	76/7	77/2	77/7	78/3	79/5	80/2	81/5	82/3	82/5	83	83/1	80/1
Ex. 3 C.W.	76/3	74/5	75	75/5	76/1	77/3	78	79/3	80/1	80/3	80/6	80/7	77/7
3 C.W.	75/7	74/1	74/4	75/1	75/1	76/3	77	78/3	79/1	79/3	79/6	80/1	77/1
Ex. 1 Feed	75/7	74/1	74/4	75/1	75/1	76/3	77	78/3	79/1	79/3	79/6	80/1	77/1
1 Feed	74/7	73/1	73/4	74/1	74/5	75/3	76	77/3	78/1	78/7	79/2	79	76/1
2 Feed	71/7	70/1	70/4	71/1	71/5	72/3	73	74/3	75/1	75/7	76/2	76	73/1
3 Feed	68/7	67/1	67/4	68/1	68/5	69/3	70	71/3	72/1	72/7	73/2	73	70/1

	<u>JAN.</u>	<u>FEB.</u>	<u>MAR.</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG.</u>	<u>SEPT.</u>	<u>OCT.</u>	<u>NOV.</u>	<u>DEC.</u>	<u>YEAR</u>
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BARLEY - Canadian Wheat Board Basis in Store Fort Wm./Port Arthur

1 C.W. 6-Row	129/4	125/5	125/4	126	126/2	127/5	128/2	130/2	131/1	133	134/6	135/4	129/3
2 C.W. 6-Row	129/4	125/5	125/4	126	126/2	127/5	128/2	130/2	131/1	133	134/6	135/4	129/3
3 C.W. 6-Row	127/4	123/5	123/4	124	124/2	125/5	126/2	128/2	129/1	131	132/6	133/4	127/3
1 C.W. 2-Row	127/4	123/5	123/4	124	124/2	125/5	126/2	128/2	129/1	131	132/6	133/4	127/3
2 C.W. 2-Row	127/4	123/5	123/4	124	124/2	125/5	126/2	128/2	129/1	131	132/6	133/4	127/3
3 C.W. 2 Row	124/4	120/5	120/4	121	121/2	122/5	123/2	125/3	126/1	127/2	128/6	129/4	124/2
1 Feed	113/4	110/6	111/4	112/3	112/3	113/7	114/2	117/5	120/1	121/1	121/6	122/4	115/7
2 Feed	112/4	109/6	110/4	111/3	111/4	113	113/2	116/5	118/7	119/5	120/2	121	114/7
3 Feed	109/4	106/6	107/4	108/3	108/4	110	110/2	113/5	115/7	116/5	117/2	118	111/7

RYE - Winnipeg Grain Exchange Basis in Store Fort Wm./Port Arthur

2 C.W.	160	151/7	143/2	140/5	136/4	135/4	133/5	132/7	137	130/1	126/3	124/7	137/6
3 C.W.	157/3	148/6	139/2	136/5	133/2	133/1	130/1	129/1	132/5	126/1	121/7	120/6	134/1
4 C.W.	141/7	132/6	122/4	118/6	117/2	117/2	116	118	120/6	115/2	112/1	109/7	120/1
Ergoty	136/7	127/6	117/4	113/6	113/6	114/2	113	116/4	119/6	114/2	111/1	108/7	117/2

FLAXSEED - Winnipeg Grain Exchange Basis in Store Fort Wm./Port Arthur

1 C.W.	322/4	322/4	323/2	316/2	314	318/2	328	331/1	324/4	318/4	315/2	314/1	320/5
2 C.W.	317/4	317/4	318/2	311/2	309	313/2	323	326/1	319/4	313/4	310/2	309/1	315/5
3 C.W.	289	287/2	286/4	279/2	284/1	289/1	298/1	299/2	287/1	282	283/3	281/2	287/1

RAPESEED - Winnipeg Grain Exchange Basis in Store Vancouver

No. 1 Canada	286/1	271/4	253/2	255	268/4	270/2	269	254/4	259/3	262/3	286/5	308/6	270/3
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ESTIMATED SUPPLIES OF GRAIN ON FARMS IN ALBERTA CROP YEARS 1962 - 63, 1963 - 64, AND 1964 - 65

		<u>1962-63</u>	<u>1963-64</u>	<u>1964-65</u>
		- million bushels -		
WHEAT	- Carryover	15.0	12.0	20.0
	- Production	<u>112.0</u>	<u>149.0</u>	<u>145.0</u>
	- TOTAL Supplies	127.0	161.0	165.0
OATS	- Carryover	19.0	26.0	38.0
	- Production	<u>123.0</u>	<u>124.0</u>	<u>79.0</u>
	- TOTAL Supplies	142.0	150.0	117.0
BARLEY	- Carryover	14.0	16.0	25.0
	- Production	<u>89.0</u>	<u>119.0</u>	<u>107.0</u>
	- TOTAL Supplies	103.0	135.0	132.0
RYE	- Carryover	0.6	0.3	0.5
	- Production	<u>2.4</u>	<u>3.1</u>	<u>3.5</u>
	- TOTAL Supplies	3.0	3.4	4.0
FLAXSEED	- Carryover	0.3	0.2	0.1
	- Production	<u>3.4</u>	<u>3.7</u>	<u>4.3</u>
	- TOTAL Supplies	3.7	3.9	4.4

STOCKS OF GRAIN ON FARMS IN ALBERTA AT JULY 31

	<u>WHEAT</u>	<u>OATS</u>	<u>BARLEY</u>	<u>RYE</u>	<u>FLAXSEED</u>
	- thousand bushels -				
1950	4,000	10,000	6,000	400	25
1951	7,000	14,000	9,000	400	20
1952	7,000	19,000	12,000	850	300
1953	23,000	25,000	15,000	1,850	450
1954	62,000	35,000	39,000	6,150	400
1955	48,000	15,000	18,000	4,250	500
1956	62,000	20,000	20,000	2,800	430
1957	78,000	39,000	36,000	2,600	450
1958	56,000	28,000	24,000	1,100	200
1959	36,000	20,000	18,000	1,000	300
1960	34,000	20,000	22,000	1,000	350
1961	28,000	20,000	18,000	600	400
1962	15,000	19,000	14,000	600	300
1963	12,000	26,000	16,000	300	200
1964	20,000	38,000	25,000	500	150

SALES OF FERTILIZERS IN CANADA AND ALBERTA FOR THE YEARS ENDING JUNE 30, 1963 AND 1964

	CANADA			ALBERTA		
	1962-63	1963-64	%	1962-63	1963-64	%
	- tons	-	Change	- tons	-	Change
Fertilizer						
Materials	448,097	609,580	+ 36.0	169,273	223,016	+ 31.7
Mixed						
Fertilizers	<u>808,744</u>	<u>844,752</u>	<u>+ 4.4</u>	<u>1,174</u>	<u>1,166</u>	<u>- 0.7</u>
TOTAL	1,256,841	1,454,332	+ 15.7	170,447	224,182	+ 31.5

Imports of fertilizers and fertilizer materials into Canada for the years ending June 30 (anhydrous ammonia excluded) totalled 1,344,263 tons in 1964 compared with 1,171,811 tons in 1963. Imports consisted largely of the following: phosphate rock, 993,802 tons; superphosphate, 171,247 tons; muriate potash, 75,882 tons, nitrogen solution, 10,499 tons; and sulphate of potash, 19,592 tons.

Exports of materials (including potash) amounted to 1,750,618 tons. Exports of mixed fertilizers amounted to 144,935 tons.

FARM IMPLEMENT AND EQUIPMENT SALES ALBERTA, 1963 AND 1964

VALUE AT WHOLESALE PRICES

	<u>1963</u>	<u>1964</u>
Total All Machines (incl. parts)	\$ 72,338,059	\$ 77,222,605
Repair Parts	10,407,957	10,737,053

ESTIMATED NUMBER OF UNITS SOLD

	<u>1963</u>	<u>1964</u>
Tractors:		
Wheel Type	4,267	4,353
Crawler Type	<u>1/</u>	<u>1/</u>
Combines:		
Pull Type	348	431
Self-Propelled	1,907	1,773
Automatic Hay Balers	2,226	2,237
Swathers and Windrowers	2,310	2,178
Heavy Duty Deep Tillage Cultivators	2,510	2,463
Diskers	861	848

1/ Not available.

LIVESTOCK

Cattle wintered well in 1963-64 but a stormy April resulted in above average calf losses. Grass was slow and at May 1 most of the stock were still on dry feed.

By the middle of May pastures were good in the south but only fair to poor in all other regions. Grazing improved by June 1; however, a lack of moisture was a cause for concern in many districts. It became evident that the hay crop would be light. It was reported in July that water supplies were getting critically low where dryouts were depended upon. Dried out crops in the Bonnyville-St. Paul district posed a serious feed situation. However, late rains resulted in second growth which provided ample fodder for winter.

Nevertheless, stock reached good condition in the fall. The amount of winter feed available was good in south and west-central regions; good to fair from Hanna through Vermilion; generally fair in northern and western areas; and fair in the Peace. The quality of hay put up was poor. The second-cut alfalfa--usually put up in good condition--was cut late and badly weathered.

At June 1, 1964 the number of cattle and calves on farms was estimated at 3,135,000 head 6.8 per cent over the 1963 total of 2,935,000. Continuing expansion in beef production is indicated by the fact that the number of beef cows and heifers increased from 1,210,000 to 1,321,000 during the year. Milk cow numbers declined from 277,000 to 274,000 head.

The number of hogs on farms increased from 1,165,000 to 1,370,000 or 17.6 per cent compared with an 8 per cent rise for Canada. In the case of hogs, however, the change in numbers is largely cyclical rather than solid development. Indications were that sows to farrow June 1 to November 30 would increase 21 per cent over a year earlier compared with a 6 per cent increase for Canada.

Estimated at 409,000, sheep and lambs on farms at June 1, 1964 were down 3.5 per cent from the 424,000 a year before. The fact that mature sheep decreased 5.2 per cent indicates a smaller lamb crop in 1965.

The Dominion Bureau of Statistics estimates the meat equivalent of animal output from Canadian farms. Using the estimated number of animals produced in Alberta (see footnote 3, page 16) and the national average carcass weight, red meat production on Alberta farms may be calculated to be approximately as follows:

		<u>1962</u>	<u>1963</u>	<u>1964</u>
Beef	'000 lb.	402,507	419,381	464,192
Veal	'000 lb.	26,874	27,940	24,912
Pork	'000 lb.	196,842	207,024	248,691
Mutton and Lamb	'000 lb.	8,017	8,558	8,547

ESTIMATED NUMBER OF CATTLE ON FARMS BY DISTRICT
JUNE 1, 1963 AND 1964

<u>A.R.A.</u>	<u>COWS</u>		<u>HEIFERS</u>		<u>STEERS</u>	<u>CALVES</u>	<u>TOTAL</u>
	<u>FOR MILK</u>	<u>FOR BEEF</u>	<u>FOR MILK</u>	<u>FOR BEEF</u>			
	- thousand head -						
	<u>1 9 6 3</u>						
1	6.2	133.0	1.3	31.0	21.0	117.0	317.5
2	8.0	139.0	5.6	50.0	90.0	126.0	443.1
3	11.5	186.0	8.0	80.0	90.0	175.0	580.6
4	13.3	209.0	14.5	57.0	74.0	208.0	636.0
5	9.2	120.0	20.8	40.0	86.0	152.0	516.9
6	7.7	84.0	14.0	24.0	31.0	100.0	314.7
7	<u>3.1</u>	<u>44.0</u>	<u>2.8</u>	<u>13.0</u>	<u>10.0</u>	<u>42.0</u>	<u>126.2</u>
Province	59.0	915.0	67.0	295.0	402.0	920.0	2,935.0
	<u>1 9 6 4</u>						
							1964 as % of 1963
1	7.2	138.5	1.4	40.0	33.0	117.0	344.5
2	8.7	140.5	5.4	66.0	120.0	126.0	490.1
3	12.2	195.0	7.5	92.0	101.0	174.0	611.5
4	13.8	223.0	13.0	70.0	87.0	210.0	675.5
5	9.6	130.0	20.2	41.5	95.0	157.0	543.3
6	8.5	96.0	11.5	29.5	34.0	110.0	342.5
7	<u>3.0</u>	<u>44.0</u>	<u>2.0</u>	<u>15.0</u>	<u>10.0</u>	<u>42.0</u>	<u>127.6</u>
Province	63.0	967.0	61.0	354.0	480.0	936.0	3,135.0
							108.5
							110.6
							105.3
							106.2
							105.1
							108.8
							<u>101.1</u>
							106.8

SUMMARY OF ALBERTA HOG CARCASSES GRADED BY DISTRICT 1963 AND 1964

A.R.A.	A	H	C	D	LIGHT	HEAVY	HEAVY	RIDGLINGS	STAGS	SOWS	TOTAL
							.....KA				
1	4,951	6,579	1,209	131	621	607	321	81	53	799	15,352
2	53,449	66,395	10,375	709	4,056	5,986	3,289	815	476	5,384	150,934
3	48,246	62,725	10,822	972	4,540	5,980	2,944	776	691	6,927	144,623
4	115,257	144,864	26,501	2,411	9,111	14,676	6,395	2,074	1,383	15,840	338,512
5	173,748	222,828	45,079	3,785	10,908	21,128	9,050	2,690	3,265	27,522	520,003
6	111,794	132,132	21,594	2,254	8,458	11,411	4,380	1,645	1,182	12,194	307,044
7	28,096	30,958	5,128	747	3,051	3,234	1,681	453	352	4,196	77,896
Province 1964	535,541	666,481	120,708	11,009	40,745	63,022	28,060	8,534	7,402	72,862	1,554,364
1963	474,572	579,011	99,661	9,826	35,014	58,904	24,456	7,640	5,803	55,603	1,350,490
- EXPRESSED AS PER CENT OF TOTAL -											
1	32.2	42.9	7.9	0.9	4.0	4.0	2.1	0.5	0.3	5.2	100.0
2	35.4	44.0	6.9	0.5	2.7	4.0	2.1	0.5	0.3	3.6	100.0
3	33.4	43.4	7.5	0.7	3.1	4.1	2.0	0.5	0.5	4.8	100.0
4	34.1	42.8	7.8	0.7	2.7	4.3	1.9	0.6	0.4	4.7	100.0
5	33.4	42.9	8.7	0.7	2.1	4.1	1.7	0.5	0.6	5.3	100.0
6	36.4	43.1	7.0	0.7	2.8	3.7	1.4	0.5	0.4	4.0	100.0
7	36.1	39.7	6.6	0.9	3.9	4.2	2.2	0.6	0.4	5.4	100.0
Province 1964	34.4	42.9	7.8	0.7	2.6	4.1	1.8	0.5	0.5	4.7	100.0
1963	35.1	42.9	7.4	0.7	2.6	4.4	1.8	0.6	0.4	4.1	100.0

ESTIMATED PRODUCTION AND FARM VALUE OF AGR

	AREA		YIELD PER ACRE	
	1963	1964	1963	1964
	- acres -		- bushels -	
FIELD CROPS				
FIELD CROPS:				
Wheat	5,933,000	6,495,000	25.1	22.3
Oats for grain	2,424,000	1,950,000	51.2	40.5
Barley	3,408,000	3,320,000	34.9	32.2
Rye	200,400	181,900	15.9	19.2
Mixed Grain	309,000	328,000	42.1	33.5
Flaxseed	303,000	370,000	12.2	11.6
Rapeseed	223,000	404,000	16.0	16.0
Mustard Seed	72,000	35,000	17.0	13.1
Potatoes	21,500	21,100	193.8	191.8
			- tons -	
Sugar Beets	39,755	42,122	14.60	12.51
Tame Hay	2,564,000	2,628,000	1.48	1.37
Other Field Crops Inc. Forest Prod.				
TOTAL ACREAGE AND VALUE	15,497,655	15,775,122		

LIVESTOCK AND LIVESTOCK PRODUCTS

LIVESTOCK:	Number on Farms June 1	
Cattle	2,015,000	2,199,000
Calves	920,000	936,000
Sheep and Lambs	424,000	409,000
Hogs	1,165,000	1,370,000
TOTAL VALUE		

DAIRY PRODUCTS:	277,000	274,000 (cows)
Butterfat for Creamery Butter		
Farm Dairy Butter		
Milk and Butterfat for Ice Cream ^{4/}		
Milk for Cheesemaking and Concentration ^{4/}		
Fluid Milk Sales		
Fluid Cream Sales ^{4/}		
Milk Farm Home Consumed		
Whole Milk Fed to Farm Animals		
Skim Milk fed to Farm Animals		
TOTAL VALUE		

POULTRY PRODUCTS:	9,140,000	9,515,000 (total poultry)
Eggs for Consumption		
Eggs for Hatching		
Poultry Meat (Eviscerated)		
TOTAL VALUE		

	- colonies -	- lb, per colony -
HONEY	71,600	83,850
	- sheep shorn -	- lb. per sheep -
WOOL	207,000	196,000
	- animals on farms -	- animals pelted -
FUR FARMING ^{6/}	226,184	250,374
		157,084
		183,261

OTHER LIVESTOCK PRODUCTS		
TOTAL LIVESTOCK AND PRODUCTS		

^{1/} Preliminary.

^{2/} Prices estimated by the Alberta Department of Agriculture.

^{3/} Livestock produced include net marketings through stockyards and plants, sales for local slaughter, farm kill, and inventory changes.

^{4/} Milk equivalents.

^{5/} Includes the value of wax.

^{6/} Year ending August 31.

AGRICULTURAL PRODUCTS FOR ALBERTA 1963 AND 1964^{1/}

PRODUCTION		VALUE PER UNIT		TOTAL VALUE	
1963	1964	1963	1964	1963	1964
- bushels -		- dollars -		- dollars -	
149,000,000	145,000,000	1.73	1.63 ^{2/}	257,770,000	236,350,000
124,000,000	79,000,000	0.53	0.56 ^{2/}	65,720,000	44,240,000
119,000,000	107,000,000	0.93	1.02 ^{2/}	110,670,000	109,140,000
3,180,000	3,500,000	1.17	1.02	3,721,000	3,570,000
13,000,000	11,000,000	0.81	0.81	10,530,000	8,910,000
3,700,000	4,100,000	2.98	2.83	11,026,000	11,603,000
3,560,000	6,460,000	2.54	2.75	9,042,000	17,765,000
1,224,000	460,000	2.05	2.00	2,509,000	920,000
4,166,000	4,048,000	1.17	1.90	4,875,000	7,691,000
- tons -					
580,306	526,982	17.75	15.52 ^{2/}	10,300,000	8,179,000
3,800,000	3,600,000	16.00	17.50	60,800,000	63,000,000
.....	.....	.....	.....	22,243,000	17,149,000
.....	.....	.....	.....	569,206,000	528,517,000
- number ^{3/} -					
789,794	875,834	190.85	176.43	150,732,000	154,522,000
230,910	202,539	89.86	79.49	20,750,000	16,099,000
194,501	194,258	15.06	15.24	2,930,000	2,960,000
1,604,840	1,942,897	40.62	36.67	65,192,000	71,242,000
.....	.....	.....	.....	239,604,000	244,823,000
- pounds -					
31,158,000	32,257,000	0.66	0.67	20,477,000	21,514,000
1,740,000	1,438,000	0.56	0.56	974,000	805,000
- 100 pounds -					
200,980	264,730	2.80	2.83	563,000	749,000
1,361,830	1,360,520	2.83	2.80	3,853,000	3,816,000
2,778,940	2,784,090	4.63	4.78	12,862,000	13,316,000
693,350	693,260	2.79	2.82	1,935,000	1,957,000
1,543,000	1,534,000	2.70	2.77	4,166,000	4,249,000
935,000	902,200	2.70	2.77	2,524,000	2,499,000
8,224,690	8,374,490	0.44	0.48	3,619,000	4,020,000
.....	.....	.....	.....	50,973,000	52,925,000
- dozen -					
35,249,000	36,775,000	0.31	0.26	11,101,000	9,673,000
1,689,000	1,799,000	0.59	0.60	999,000	1,075,000
- pounds -					
59,868,000	63,586,000	0.31	0.27	18,514,000	17,242,000
.....	.....	.....	.....	30,614,000	27,990,000
11,600,000	9,800,000	0.15	0.15	1,818,000 ^{5/}	1,541,000 ^{5/}
1,925,000	1,882,000	0.51	0.48	978,000	910,000
- value of pelts -	- value animals exported -				
\$ 2,595,000	\$ 3,263,000	\$ 52,000	\$ 83,000	2,647,000	3,346,000
.....	.....	.....	.....	1,370,000	693,000
.....	.....	.....	.....	328,004,000	332,228,000

NOTE: The total value of agricultural production is not obtained by adding together the values of field crops and livestock production. This procedure would duplicate the value of grain, forage, etc., fed to livestock. Duplication is hard to avoid completely. For example, milk fed to farm animals is included under dairy products to provide a full account of dairy production; it is counted again in the value of livestock products.

ESTIMATED NUMBER OF SWINE AND SHEEP ON FARMS IN ALBERTA BY DISTRICT
JUNE 1, 1963 AND 1964

S W I N E				S H E E P a n d L A M B S			
A.R.A.	OVER 6 MONTH	UNDER 6 MONTH	TOTAL SWINE	SHEEP 1 YEAR & OVER	LAMBS UNDER 1 YEAR	TOTAL SHEEP AND LAMBS	1964 as % of 1963
	- thousand head		-	- thousand head		-	
	<u>1 9 6 3</u>						
1	4.0	10.0	14.0	21.3	20.0	41.3	
2	32.0	75.0	107.0	45.0	38.0	83.0	
3	27.0	82.0	109.0	66.0	73.0	139.0	
4	82.0	193.0	275.0	13.7	15.0	28.7	
5	106.0	221.0	327.0	32.7	35.0	67.7	
6	71.0	179.0	250.0	22.3	23.5	48.5	
7	33.0	50.0	83.0	9.0	9.5	18.5	
PROVINCE	355.0	810.0	1,165.0	210.0	214.0	424.0	
	<u>1 9 6 4</u>						
	1964 as % of 1963						
1	6.0	11.0	17.0	21.0	20.0	41.0	99.3
2	39.0	91.0	130.0	43.0	44.0	87.0	104.8
3	31.0	116.0	147.0	64.0	72.0	136.0	97.8
4	86.0	203.0	289.0	12.0	13.0	25.0	87.1
5	130.0	285.0	415.0	31.5	32.0	63.5	93.8
6	80.0	211.0	291.0	19.0	20.0	39.0	85.2
7	28.0	53.0	81.0	8.5	9.0	17.5	94.6
PROVINCE	400.0	970.0	1,370.0	199.0	210.0	409.0	96.5

AVERAGE MONTHLY LIVESTOCK PRICES BY GRADE, CALGARY, 1964

	<u>JAN.</u>	<u>FEB.</u>	<u>MARCH</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG.</u>	<u>SEPT.</u>	<u>OCT.</u>	<u>NOV.</u>	<u>DEC.</u>	<u>YEAR</u>
					-	dollars	per cwt.	-					
Steers - Choice	20.96	21.19	22.44	23.08	23.06	22.90	23.10	22.31	21.96	21.27	20.97	21.22	22.04
- Good	19.91	20.30	21.49	22.11	22.13	22.03	22.07	21.37	20.96	20.23	19.88	20.20	21.06
- Medium	18.72	18.85	20.05	20.68	20.93	20.92	20.56	20.22	19.75	18.35	18.18	18.36	19.63
- Common	17.32	17.43	18.60	18.97	18.98	18.63	18.61	18.09	18.19	15.79	15.86	16.16	17.72
Heifers - Choice	19.24	19.25	20.81	21.55	21.23	19.93	20.07	19.58	20.08	19.72	19.30	19.18	20.00
- Good	18.22	18.11	20.13	20.70	20.34	19.19	19.00	18.62	18.74	18.67	18.03	18.27	19.00
- Medium	16.93	17.00	18.68	18.98	18.72	18.10	17.60	17.05	17.04	16.91	16.64	16.54	17.52
- Common	15.53	15.79	17.14	17.12	16.61	15.92	15.72	15.50	15.13	15.00	14.76	14.58	15.73
Cows - Good	14.60	14.40	15.54	16.16	16.20	15.80	14.66	14.87	14.58	14.46	12.71	12.53	14.71
- Medium	13.49	13.42	14.49	14.88	14.88	14.67	13.70	13.84	13.54	13.47	11.79	11.24	13.62
- Cannerns & Cutters	11.57	11.71	12.50	12.81	12.87	12.75	12.19	12.37	11.74	11.71	10.14	9.15	11.79
Bulls - Good	16.53	17.00	17.49	18.22	18.08	17.38	17.21	16.82	16.22	15.65	14.54	13.86	16.58
- Common	14.71	15.18	15.87	16.20	16.24	15.78	15.78	15.20	14.66	13.99	12.94	11.75	14.86
Feeder Steers - Good	20.32	21.14	21.92	22.40	22.55	21.83	21.68	20.40	19.99	19.85	19.89	19.54	20.96
- Common	18.12	18.51	19.38	19.58	19.93	18.93	18.33	17.79	17.36	16.34	16.34	16.21	18.07
Feeder Heifers - Good	17.81	18.63	19.01	20.30	20.12	19.21	18.68	17.59	16.90	15.95	16.14	15.96	18.02
- Common	14.62	15.54	15.05	16.14	18.17	16.65	16.72	15.48	14.60	13.81	12.84	12.80	15.20
Veal - Good & Choice	21.11	20.86	21.32	21.18	21.29	21.27	24.07	23.00	20.07	18.00	16.66	17.06	20.49
- Common & Medium	18.36	19.10	19.18	19.23	19.31	19.06	20.21	19.87	18.28	15.64	14.92	14.49	18.14
Calves - Stock Steers	24.38	24.49	24.94	24.68	25.05	24.52	23.66	23.32	19.92	21.60	22.09	20.96	23.30
- Stock Heifers	20.83	21.24	22.22	21.45	21.27	21.05	20.21	20.54	18.36	17.30	16.89	16.67	19.84
Hogs - Grade A	23.96	24.41	23.52	22.75	23.22	24.97	24.96	24.55	24.85	23.79	22.96	23.15	23.92
Lambs - Good	18.80	18.35	18.58	21.35	23.59	24.46	19.74	17.68	16.92	18.17	17.64	17.52	19.40
- Common	17.20	17.00	16.70	20.10	20.66	23.49	18.70	16.55	15.99	17.25	16.85	16.70	18.10
- Feeder	17.14	16.50	16.83	16.04	-	15.00	14.64	14.20	15.33	16.40	14.88	14.77	15.61
Sheep - Good	3.00	3.91	3.60	3.50	4.56	5.99	4.51	3.80	4.21	4.03	3.44	4.00	4.04
- Common	1.50	2.50	2.07	-	3.00	2.85	2.83	2.06	1.60	2.02	2.16	-	2.26

AVERAGE MONTHLY LIVESTOCK PRICES BY GRADE, EDMONTON, 1964

	<u>JAN.</u>	<u>FEB.</u>	<u>MARCH</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u> dollars	<u>JULY</u> per cwt.	<u>AUG.</u>	<u>SEPT.</u>	<u>OCT.</u>	<u>NOV.</u>	<u>DEC.</u>	<u>YEAR</u>
Steers - Choice	20.47	20.83	22.17	22.64	22.73	22.72	22.82	22.16	21.64	20.82	20.54	20.71	21.69
- Good	19.28	19.96	21.16	21.51	21.63	21.73	21.55	21.35	20.82	19.92	19.68	19.87	20.70
- Medium	17.66	18.33	19.06	20.03	20.04	20.07	20.05	19.61	19.17	18.55	18.26	18.42	19.10
- Common	16.22	16.80	17.28	18.49	18.13	18.13	17.48	17.15	16.48	16.45	15.91	15.83	17.03
Heifers - Choice	18.53	18.96	20.41	21.54	21.13	20.34	19.50	18.85	19.17	19.12	18.84	18.85	19.60
- Good	17.70	18.05	18.94	20.51	20.04	19.02	18.65	17.87	18.29	18.14	17.89	17.72	18.57
- Medium	16.44	17.12	17.96	19.08	19.01	17.91	17.47	16.85	16.49	16.63	16.29	16.01	17.27
- Common	14.52	14.97	16.23	16.48	16.66	16.10	15.87	15.06	14.22	13.98	13.37	12.99	15.04
Fed Calves - Choice	20.44	19.50	20.98	21.38	21.25	20.91	20.07	19.99	19.91	19.48	19.13	19.07	20.18
- Good	18.75	18.40	19.65	20.22	20.10	19.29	18.60	18.38	18.58	18.17	17.78	17.78	18.81
Cows - Good	14.34	14.26	15.35	16.10	16.16	15.88	14.43	14.42	14.01	13.60	12.27	12.31	14.43
- Medium	12.93	13.05	13.75	14.76	14.76	14.93	13.21	12.93	12.86	12.43	11.22	11.11	13.16
- Canners & Cutters	10.49	10.80	11.72	12.11	12.26	12.89	11.35	10.75	10.17	10.24	8.86	8.49	10.84
Bulls - Good	16.02	15.96	16.73	16.83	17.03	17.45	15.91	14.96	15.00	14.37	13.14	13.24	15.55
- Common	14.62	14.82	15.47	15.55	15.68	16.20	15.23	13.50	13.77	12.89	11.82	11.72	14.27
Feeder Steers - Good	20.10	20.90	22.20	22.72	22.25	21.90	21.11	19.14	19.20	18.49	18.87	18.77	20.47
- Common	16.67	17.40	18.01	18.26	18.22	18.89	17.78	17.41	16.01	16.03	15.50	15.19	17.11
Feeder Heifers - Good	15.98	16.73	18.74	19.66	19.08	18.70	17.38	15.94	15.68	13.83	13.57	14.15	16.62
- Common	14.28	14.20	14.28	15.92	16.44	15.67	15.01	13.54	12.81	12.13	11.19	11.33	13.90
Veal - Good & Choice	23.21	26.45	31.03	29.48	30.32	29.91	25.48	23.14	22.49	19.23	18.42	18.65	24.82
- Common & Medium	18.60	20.72	24.36	23.23	23.61	23.49	21.98	18.11	18.61	16.76	14.11	14.13	19.81
Calves - Stock Steers	23.16	24.00	24.65	24.42	24.13	23.74	22.83	22.12	20.54	19.70	19.96	19.69	22.41
- Stock Heifers	19.57	19.69	21.13	20.18	19.87	19.87	18.36	18.54	17.65	17.13	16.30	15.18	18.62
Hogs - Grade A	24.14	24.63	23.38	22.64	23.14	24.85	25.00	24.52	24.69	23.79	22.97	23.26	23.92
Lambs - Good	17.80	19.00	18.89	19.73	22.28	23.53	20.80	17.73	16.77	17.25	17.99	18.47	19.19
- Common	16.14	17.60	17.39	17.50	-	-	19.26	16.87	15.33	16.56	16.47	16.62	16.97
- Feeder	16.59	16.87	16.88	15.70	15.76	12.30	16.49	14.82	15.55	15.46	16.85	16.39	15.80
Sheep - Good	5.85	5.40	5.00	-	4.61	4.82	4.72	7.21	5.14	6.60	6.09	5.49	5.54
- Common	3.95	3.49	4.00	-	3.00	3.00	2.74	3.38	2.73	2.92	-	2.91	3.21

NUMBER OF LIVESTOCK ON FARMS IN ALBERTA AT JUNE 1

	<u>COWS</u>		<u>CALVES</u>	<u>ALL CATTLE</u>	<u>HOGS</u>	<u>SHEEP AND LAMBS</u>
	<u>Milk</u>	<u>Beef</u>				
			- thousand	head -		
1950	297.8	410.1	422.5	1,563.5	704.0	343.4
1951	283.9	414.1	437.5	1,563.0	930.7	330.5
1952	285.0	490.0	494.0	1,766.0	1,170.0	353.0
1953	285.0	550.0	555.0	1,938.0	1,020.0	350.0
1954	286.0	600.0	608.0	2,094.0	1,195.0	387.0
1955	285.0	640.0	647.0	2,250.0	1,195.0	409.0
1956	282.2	733.9	714.4	2,449.2	1,211.5	404.8
1957	282.0	766.0	759.0	2,621.0	1,289.0	426.0
1958	270.0	785.0	819.0	2,557.0	1,680.0	435.0
1959	270.0	820.0	857.0	2,623.0	1,759.0	465.0
1960	279.0	827.0	867.0	2,697.0	1,339.0	495.0
1961	287.9	890.2	912.9	2,879.4	1,470.0	496.9
1962	280.0	900.0	908.0	2,863.0	1,200.0	445.0
1963	277.0	915.0	920.0	2,935.0	1,165.0	424.0
1964	274.0	967.0	936.0	3,135.0	1,370.0	409.0

DAIRYING

Milk cow numbers at June 1, 1964 were estimated at 274,000 down 3,000 from the year before. However, total milk production increased from 1,690 to 1,719 million pounds. The production per cow was the highest ever attained in Alberta and was achieved in spite of poor pasture conditions during the spring and early summer months in central and northern areas.

On a percentage basis, the production of creamery butter and ice cream showed the greatest increase. Fluid milk sales increased by 5 million pounds. Cheese production and fluid cream sales held steady.

Subsidy payments were modified at May 1, 1964. The subsidy on butterfat for creamery butter was reduced from 14.5 to 13.3 cents a pound but payments on butter were increased from 12 to 13 cents a pound. The result was that the price of butterfat to farmers was unchanged. A subsidy of 3.6 cents a pound on Canada first grade cheese replaced the subsidy of 30 cents per 100 pounds of milk used in the manufacture of cheese.

On the whole, the prices received by farmers for dairy products advanced moderately.

POULTRY

The number of domestic fowl in Alberta at June 1 showed an increase of about 5 per cent compared with a year earlier. Commercial egg production increased 8 per cent. Chicken broiler production increased 19 per cent and turkey marketings were comparable to those of 1963.

The estimated price received by farmers for eggs dropped from 31 cents a dozen in 1963 to 26 cents in 1964. In spite of higher production the total value and farm cash income from egg sales was reduced. The Agricultural Stabilization Board made a deficiency payment of 2 cents on grade A large and medium eggs.

The production of poultry meat was more than 6 per cent up from 1963. However, the average estimated value (eviscerated basis) dropped from 31 cents a pound in 1963 to 27 cents in 1964. Consequently, the value of production was more than one million dollars down from the year before.

ESTIMATED NUMBER OF POULTRY ON FARMS BY DISTRICT
JUNE 1, 1963 AND 1964

A.R.A.	CHICKS UNDER 2 MON.	PULLETS 2 MONTH TO 6 MON.	HENS & PULLETS 6 MONTH & OVER	ALL OTHERS 2 MONTH & OVER	TOTAL HENS & CHICKENS	TURKEYS
	2 MON.	TO 6 MON.	& OVER	& OVER	CHICKENS	TURKEYS
- thousand head -						
1 9 6 3						
1	225.0	30.0	85.0	35.0	375.0	15.0
2	750.0	170.0	335.0	145.0	1,400.0	105.0
3	840.0	165.0	250.0	145.0	1,400.0	120.0
4	935.0	140.0	500.0	175.0	1,750.0	150.0
5	865.0	210.0	485.0	130.0	1,690.0	240.0
6	605.0	115.0	350.0	70.0	1,140.0	120.0
7	225.0	25.0	165.0	30.0	445.0	15.0
PROVINCE	4,445.0	855.0	2,170.0	730.0	8,200.0	765.0
1 9 6 4						
1	250.0	40.0	75.0	25.0	390.0	15.0
2	665.0	170.0	330.0	135.0	1,300.0	105.0
3	940.0	150.0	275.0	135.0	1,500.0	115.0
4	960.0	130.0	510.0	140.0	1,740.0	150.0
5	1,010.0	220.0	520.0	125.0	1,875.0	235.0
6	705.0	120.0	400.0	75.0	1,300.0	115.0
7	270.0	30.0	170.0	25.0	495.0	15.0
PROVINCE	4,800.0	860.0	2,280.0	660.0	8,600.0	750.0

There were an estimated 80,000 geese on farms in Alberta at June 1, 1964 compared with 90,000 in 1963. The number of ducks reported was 85,000, unchanged from 1963.

THE PRODUCTION AND DISTRIBUTION AND VALUE OF EGGS BY MONTHS ALBERTA 1963 AND 1964

	PRODUCTION		DISPOSITION			
	No. of Layers '000	Net Production '000 doz.	Sold '000 doz.	Value \$'000	Used by Producer '000 doz.	Value \$'000
<u>1 9 6 3</u>						
JAN.	2,434	3,075	2,609	759	466	126
FEB.	2,392	2,936	2,439	734	497	134
MAR.	2,440	3,340	2,788	997	552	174
APR.	2,311	3,150	2,565	885	587	178
MAY	2,293	3,152	2,576	833	575	168
JUNE	2,196	2,880	2,279	716	600	174
JULY	2,127	2,816	2,257	764	559	179
AUG.	2,346	2,864	2,339	808	525	173
SEPT.	2,604	2,877	2,369	857	508	175
OCT.	2,591	3,183	2,679	944	504	168
NOV.	2,616	3,204	2,738	925	466	150
DEC.	<u>2,673</u>	<u>3,461</u>	<u>2,947</u>	<u>929</u>	<u>514</u>	<u>150</u>
YEAR	2,419 ^{1/}	36,938	30,585	10,151	6,353	1,949

<u>1 9 6 4</u>						
JAN.	2,622	3,424	2,902	851	522	142
FEB.	2,593	3,278	2,780	806	498	128
MAR.	2,566	3,372	2,826	890	546	139
APR.	2,498	3,368	2,779	846	589	151
MAY	2,424	3,375	2,773	739	597	136
JUNE	2,362	3,093	2,538	680	555	134
JULY	2,271	2,909	2,336	650	573	148
AUG.	2,433	2,866	2,274	715	592	176
SEPT.	2,801	2,808	2,210	634	598	159
OCT.	2,912	3,305	2,754	726	551	137
NOV.	2,835	3,483	2,939	766	544	132
DEC.	<u>2,750</u>	<u>3,293</u>	<u>2,758</u>	<u>733</u>	<u>535</u>	<u>129</u>
YEAR	2,589 ^{1/}	38,574	31,869	9,036	6,700	1,711

^{1/} Weighted average of monthly estimates.

EGG PRICES TO PRODUCERS ON FIRST TUESDAY OF EACH
MONTH AT EDMONTON, 1963 AND 1964

	<u>GRADE AL</u>	<u>GRADE AM</u>	<u>GRADE AS</u>	<u>GRADE B</u>	<u>GRADE C</u>
	- cents per dozen -				
	<u>1 9 6 3</u>				
JANUARY	24	21	18	21	15
FEBRUARY	22	19-20	15	15	11
MARCH	34	32	23	20	14
APRIL	30	28	21	18	14
MAY	26	24	21	19	13
JUNE	29	27	19	20	14
JULY	29	27	19	20	14
AUGUST	42	36	23	20	14
SEPTEMBER	39	35-36	20	20	14-15
OCTOBER	43	39	21	23	14-15
NOVEMBER	36	29	20	23	13-14
DECEMBER	30-33	25-28	18-21	23-26	13-16
	<u>1 9 6 4</u>				
JANUARY	23-24	19-20	18-19	18-19	12-13
FEBRUARY	24-25	20-21	17-18	17-18	12-13
MARCH	23-24	22-23	18-19	17-18	12-13
APRIL	27-28	25-26	20-22	17-18	12-13
MAY	21	19-20	17-18	16-17	12-13
JUNE	18	16	13-14	14	11
JULY	24	21	12	14	10
AUGUST	35	29	18	14	10
SEPTEMBER	34	31	16	14	10
OCTOBER	28	25	12-15	13-14	7-9
NOVEMBER	28	20	11-12	13-14	6-7
DECEMBER	21-22	16-18	10	12	6

OUTPUT AND FARM VALUE OF MEAT, ALBERTA 1963 AND 1964

	PRODUCTION		CONSUMED BY PRODUCERS		SOLD	
	Birds '000	Value \$'000	Birds '000	Value \$'000	Birds '000	Value \$'000
<u>1 9 6 3</u>						
Fowl & Chicken	12,828	12,611	1,541	1,868	11,287	10,743
Turkey	1,058	5,541	72	376	986	5,165
Goose	70	252	20	72	50	180
Duck	<u>75</u>	<u>110</u>	<u>30</u>	<u>44</u>	<u>45</u>	<u>66</u>
TOTAL	14,031	18,514	1,663	2,360	12,368	16,154

1 9 6 4

Fowl & Chicken	13,896	11,646	1,658	1,712	12,238	9,934
Turkey	1,002	5,220	56	291	946	4,929
Goose	70	248	20	71	50	177
Duck	<u>80</u>	<u>128</u>	<u>30</u>	<u>48</u>	<u>50</u>	<u>80</u>
TOTAL	15,048	17,242	1,764	2,122	13,284	15,120

APICULTURE

ESTIMATES OF BEEKEEPERS, COLONIES, PRODUCTION OF HONEY, AND VALUE OF HONEY AND BEESWAX IN ALBERTA, 1962 TO 1964

		<u>1962</u>	<u>1963</u>	<u>1964</u>
Beekeepers	No.	1,260	1,100	1,450
Colonies	No.	65,400	71,600	83,850
Hives per Apiary	No.	52	65	58
Honey: Yield/Hive	Lb.	105	162	102
Total Prod.	Lb.	6,867,000	11,600,000	8,590,000
Price	\$/Lb.	.14	.15	.15
Value	\$	961,000	1,740,000	1,288,000
Value Honey & Wax	\$	1,005,000	1,818,000	1,359,000

The number of apiaries operated increased again in 1964 but the hives operated per apiary decreased. However, production per colony was 102 pounds in 1964 compared with 162 a year earlier. Total production was down 15 per cent.

The spring build-up in colony strength was normal but the weather retarded nectar secretion and gathering. Conditions in the south were too dry while in the north cloudy and rainy weather reduced bee flight.

The strong export market for Alberta honey so evident last year has disappeared. However, with a reduction in Canadian production prices should remain at least equal to those of last year.

FUR FARMING

The number of fur farm licenses issued in Alberta are decreasing while the number of mink pelted are going up. Steady prices have encouraged expansion but, at the same time, higher production costs are reducing profit margins and forcing producers to increase output. The pressure on individual fur farmers to enlarge the scale of their operations is likely to continue.

FUR FARM LICENSES

	<u>1962-63</u>	<u>1963-64</u>
Mink	263	252
Mink and Fox	2	3
Chinchilla	64	102
Nutria	7	4
Chinchilla & Nutria	2	1
Miscellaneous	<u>3</u>	<u>2</u>
TOTAL	341	364

ANIMALS RETAINED FOR BREEDING

	<u>NO. OF ANIMALS</u>		<u>TOTAL VALUE</u>	
	<u>1962-63</u>	<u>1963-64</u>	<u>1962-63</u>	<u>1963-64</u>
Mink: Standards	11,744	23,327	\$ 234,880	\$ 513,194
Mutations	53,354	37,337	800,310	597,392
Chinchilla	2,930	5,127	58,600	76,905
Fox	16	12	192	144
Nutria	360	125	1,800	625
Miscellaneous	<u>12</u>	<u>53</u>	<u>180</u>	<u>795</u>
TOTAL	68,416	65,981	\$ 1,095,962	\$ 1,189,055

ANIMALS PELTED

	<u>NO. OF ANIMALS</u>		<u>TOTAL VALUE</u>	
	<u>1962-63</u>	<u>1963-64</u>	<u>1962-63</u>	<u>1963-64</u>
Mink: Standards	46,855	55,511	\$ 937,100	\$ 1,221,242
Mutations	109,334	126,187	1,640,010	2,018,992
Chinchilla	870	1,460	17,400	21,900
Fox	21	100	252	1,082
Nutria	<u>4</u>	<u>3</u>	<u>20</u>	<u>15</u>
TOTAL	157,084	183,261	\$ 2,594,782	\$ 3,263,231

ANIMALS EXPORTED

	NO. OF ANIMALS		TOTAL VALUE	
	1962-63	1963-64	1962-63	1963-64
Mink: Standards	297	621	\$ 22,275	\$ 46,575
Mutations	358	418	26,850	31,350
Chinchilla	23	47	2,300	4,700
Nutria	2	-	100	--
Miscellaneous	<u>4</u>	<u>5</u>	<u>200</u>	<u>250</u>
TOTAL	684	1,091	51,725	82,875

FARM FINANCE

CASH INCOME FROM THE SALE OF FARM PRODUCTS AND SUPPLEMENTARY PAYMENTS*

	1 9 6 3		1 9 6 4	
	\$ '000	% of Total	\$ '000	% of Total
Wheat	143,828	27.7	207,263	34.2
Oats	10,685	2.1	11,136	1.8
Barley	32,229	6.2	46,374	7.7
Rye	1,746	0.3	2,234	0.4
Flaxseed	7,802	1.5	12,027	2.0
Rapeseed	4,817	0.9	8,952	1.5
Potatoes	2,441	0.5	2,524	0.4
Vegetables	1,998	0.4	2,230	0.4
Other Crops	23,526	4.5	15,547	2.6
Forest Products	525	0.1	575	0.1
Supplementary Payments	<u>6,895</u>	<u>1.3</u>	<u>4,466</u>	<u>0.7</u>
TOTAL CROPS	<u>236,492</u>	<u>45.5</u>	<u>313,328</u>	<u>51.8</u>
Cattle and Calves	148,165	28.5	153,299	25.3
Hogs	59,491	11.4	63,624	10.5
Sheep and Lambs	2,865	0.6	2,933	0.5
Dairy Products	39,709	7.6	41,364	6.8
Poultry Products	26,311	5.1	24,235	4.0
Other Livestock Products	<u>6,784</u>	<u>1.3</u>	<u>6,460</u>	<u>1.1</u>
TOTAL LIVESTOCK & PRODUCTS	<u>283,325</u>	<u>54.5</u>	<u>291,915</u>	<u>48.2</u>
TOTAL CASH INCOME	<u>519,817</u>	<u>100.0</u>	<u>605,243</u>	<u>100.0</u>

* Interim and final payments received through the Canadian Wheat Board on participation certificates (wheat, oats, barley) are included in the calendar year in which payments were received by farmers. Deficiency payments included with product were applicable.

FARM NET INCOME, INCOME IN KIND AND OPERATING
EXPENSES, ALBERTA 1963 AND 1964

NET INCOME OF FARM OPERATORS FROM FARMING OPERATIONS

	<u>1963</u>	<u>1964</u>	<u>%</u> <u>Change</u>
	- thousand dollars -		
Cash Income from Sale of Farm Products	519,642	596,058	+ 14.7
Income in Kind (Incl. house rent)	46,138	48,125	+ 4.3
Supplementary Payments (P.F.A.A. etc.)	<u>6,895</u>	<u>4,466</u>	- 35.2
Realized Gross Income	572,675	648,649	+ 13.3
Value of Inventory Changes	92,094	-1,591	
Gross Income	664,769	647,058	- 2.7
Operating & Depreciation Charges	<u>341,922</u>	<u>360,254</u>	+ 5.4
TOTAL NET INCOME	<u>322,847</u>	<u>286,804</u>	- 11.2

INCOME IN KIND

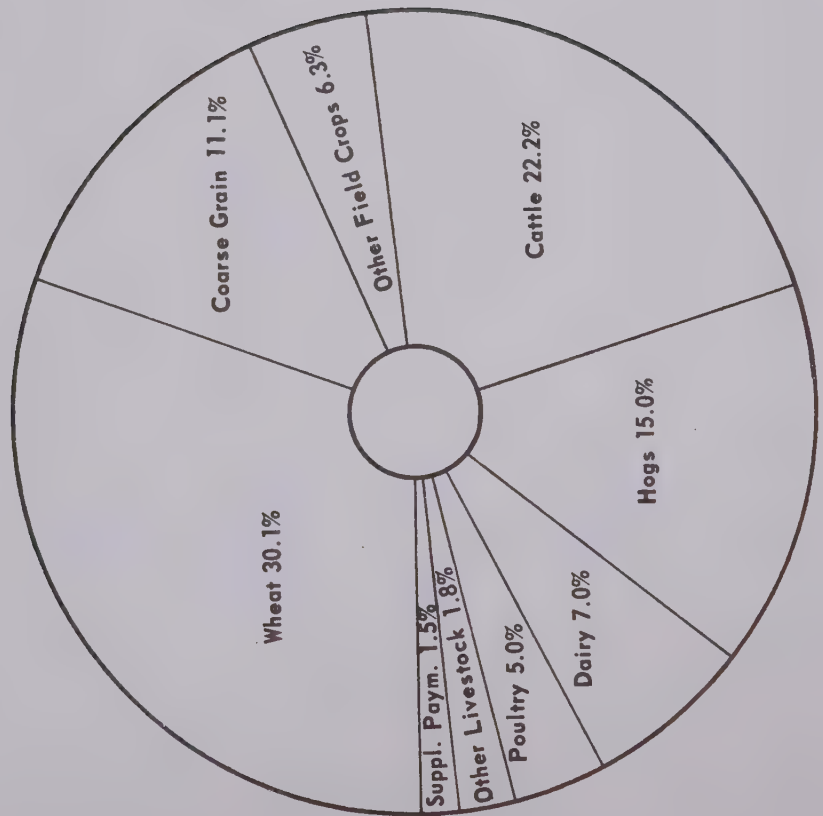
Dairy Products	5,121	5,042	- 1.6
Poultry and Eggs	4,307	3,833	- 11.0
Meat	5,330	4,801	- 9.9
Fruit and Vegetables	8,103	8,549	+ 5.5
Honey	25	25	
Forest Products	900	875	- 2.8
Wool	4	4	
House Rent	<u>22,348</u>	<u>24,996</u>	+ 11.8
TOTAL	<u>46,138</u>	<u>48,125</u>	+ 4.3

FARM OPERATING EXPENSES AND DEPRECIATION CHARGES

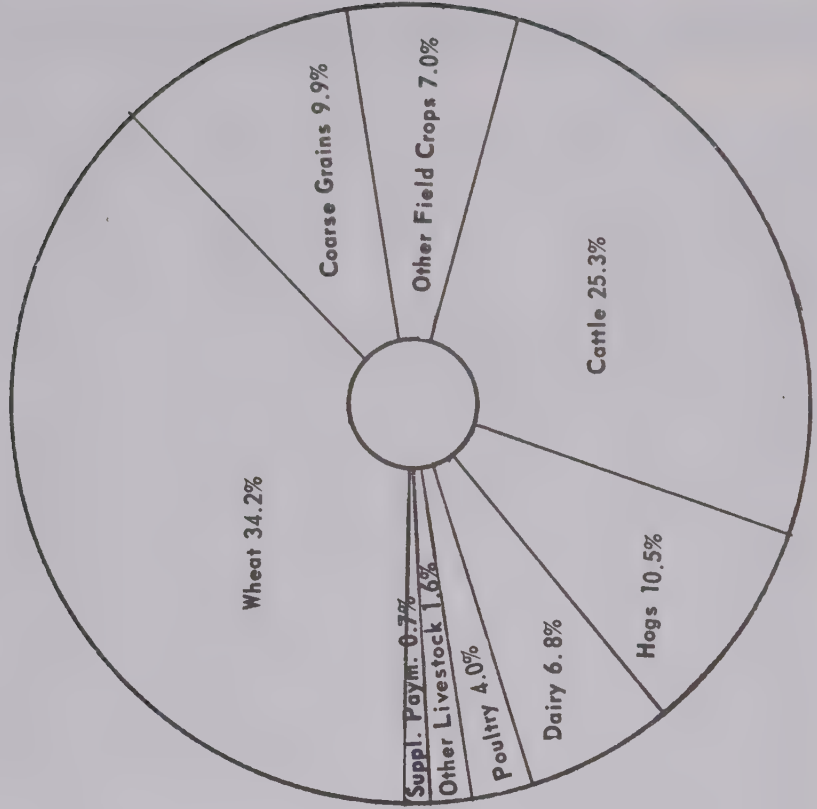
Taxes	23,457	23,692	+ 1.0
Gross Rent	25,986	21,914	- 15.7
Hired Labor	31,074	32,277	+ 3.9
Interest on Indebtedness	15,025	18,079	+ 20.3
Feed and Seed	22,072	23,500	+ 6.5
Tractor	45,083	46,952	+ 4.1
Truck	29,663	31,385	+ 5.8
Automobile	9,425	9,450	+ 0.3
Engine and Combine	4,291	4,530	+ 5.6
Machinery Repairs	18,964	19,514	+ 2.9
Fertilizer	14,315	20,243	+ 41.4
Fruit and Vegetable Supplies	4,072	4,124	+ 1.3
Building Repairs	10,161	10,726	+ 5.5
Electric Power	3,000	3,100	+ 3.3
Miscellaneous	<u>20,895</u>	<u>22,511</u>	+ 7.7
Total Operating Costs	277,483	291,997	+ 5.2
Depreciation Bldg. and Machinery . . .	<u>64,439</u>	<u>68,257</u>	+ 5.9
TOTAL EXPENSES	<u>341,922</u>	<u>360,254</u>	+ 5.4

SOURCE OF FARM INCOME

1951 - 60



1964



CENSUS STATISTICS OF AGRICULTURE FOR ALBERTA

		1931	1941	1951	1961
TOTAL POPULATION	No.	731,605	796,169	939,501	1,331,944
FARM POPULATION	"	375,097	383,964	345,222	287,814
PER CENT ON FARMS	%	51.3	48.2	36.7	21.6
NUMBER OF FARMS	No.	86,917	93,200	84,315	73,212
AVERAGE SIZE OF FARM	Ac.	400	434	527	645

FARM CLASSIFICATION:

1-4 acres	%	0.7	0.8	0.7	0.6
5-10 "	"	0.8	1.0	1.2	0.9
11-50 acres	"	1.3	1.6	1.7	1.8
51-100 "	"	1.8	2.1	1.7	1.5
101-200 "	"	40.4	36.9	25.5	18.6
201-299 "	"	3.4	3.9	4.8	4.6
300-479 "	"	26.7	26.6	30.4	29.4
480-639 "	"	9.7	10.3	12.2	13.7
640-959 "	"	9.4	9.6	11.4	14.3
960-1,279 acres	"	) 5.8	3.3	4.4	6.1
1,280 acres & over	"	)	3.9	6.0	8.5

FARM OPERATED BY:

Owner	%	72.6	62.5	62.7	59.1
Tenant	"	12.2	17.1	11.6	9.2
Owner-Tenant	"	14.9	19.8	25.0	31.1
Manager	"	0.3	0.6	0.7	0.6
NON-RESIDENT FARMS	"	-	10.9	9.9	10.1

AGE OF FARM OPERATORS:

Under 25 years	%	5.3	3.4	4.3	3.2
25 - 34 "	"	20.8	18.5	20.2	16.2
35 - 39 "	"	13.0	12.2	) 25.1	) 25.5
40 - 44 "	"	) 28.6	) 23.8	) 23.6	) 25.6
45 - 49 "	"))))
50 - 54 "	"	) 19.5	) 24.6	) 9.7	) 11.5
55 - 59 "	"	)	)	13.8	13.4
60 - 69 "	"	9.6	13.7	13.8	13.4
70 and over	"	3.2	3.8	3.3	4.6

FARM CAPITALIZATION:

Land & Buildings	\$'000	671,424	490,826	1,015,389	1,715,367
Machinery & Equipment	"	116,301	116,128	390,003	550,876
Livestock & Poultry	"	81,707	104,066	384,324	451,254

CENSUS STATISTICS - continued

		1931	1941	1951	1961
OCCUPIED FARM LAND	'000 ac.	38,977	43,277	44,460	47,229
Improved Farm Land	"	17,748	20,125	22,271	25,289
Field Crops	"	12,039	12,284	14,428	15,615
Wheat Total	"	7,943	6,556	6,424	5,633
(Durum)	"	(55)	(8)	(46)	(189)
Oats for Grain	"	2,466	2,856	2,854	2,642
Barley	"	710	1,579	3,041	2,867
Mixed Grain	"	16	39	81	374
Fall Rye	"	93	102	186	149
Spring Rye	"	60	57	98	25
Flaxseed	"	30	133	135	362
Tame Hay	"	297	602	1,206	2,477
Other Fodder	"	363	261	282	621
Sugar Beets	"	12	23	36	41
Other Crops	"	49	76	85	424 ^{1/}
Improved Pasture	"	525	626	1,113	1,670
Summerfallow	"	4,547	6,546	6,195	7,450
Other Improved Land	"	637	669	535	554
Unimproved Land	"	21,229	23,152	22,189	21,940

^{1/} Includes 307,000 acres of Rapeseed; 69,000 acres of Mustard; and 3,400 of Sunflowers.

LIVESTOCK AND POULTRY:

Cattle	'000 head	1,125	1,342	1,563	2,879
Pigs	"	1,052	1,705	931	1,470
Sheep	"	786	675	330	497
Horses	"	732	649	261	113
Hens & Chickens	"	7,530	7,953	8,347	9,205
Turkeys	"	550	656	395	1,184
Ducks	"	85	95	62	93
Geese	"	94	116	65	90

FARM MACHINERY:

Tractors	No.	23,985	36,445	79,282	102,624
Grain Combines	"	2,523	5,165	20,852	38,530
Grain Binders	"	73,487	--	57,930	32,476
Threshing Machines	"	12,457	12,753	14,768	13,006
Motor Trucks	"	7,319	14,512	39,723	71,508
Farm with Electric -	"	2,786	--	20,709	52,936
Power -	%	3.2	--	24.6	72.3

COMPARITIVE STATISTICS OF AGRICULTURE IN ALBERTA

		<u>ALBERTA AS % OF</u>		
		<u>Prairie</u>	<u>Canada</u>	
		<u>Provinces</u>		
		<u>ALBERTA</u>		
<u>CENSUS STATISTICS, 1961</u>				
Total Population	No.	1,332,000	41.9	7.3
Farm Population	"	288,000	37.5	13.5
Number of Farms	"	73,212	34.8	15.2
Total Land Area	Ac.	159,232,000	35.8	7.0
Occupied Farm Land	"	47,229,000	36.4	27.4
% of Total Land Occupied	%	29.7	--	--
Improved Land	Ac.	25,289,000	31.5	24.4
Unimproved Land	"	21,940,000	44.4	31.7
<u>CROP ACREAGE, 1964*</u>				
Wheat	Ac.	6,495,000	22.3	21.9
Oats for Grain	"	1,950,000	38.6	23.8
Barley	"	3,320,000	63.6	60.9
Rye	"	181,900	29.4	26.9
Flaxseed	"	370,000	19.3	18.7
Mixed Grains	"	328,000	59.8	22.9
Potatoes	"	21,100	36.8	7.5
Mustard Seed	"	35,000	47.3	47.3
Rapeseed	"	404,000	51.1	51.1
Sunflower Seed	"	7,500	9.1	9.1
Tame Hay	"	2,628,000	54.6	21.0
Sugar Beets	"	42,000	58.5	41.4
Summerfallow	"	6,680,000	25.3	25.3
<u>LIVESTOCK ON FARMS, JUNE 1, 1964*</u>				
Bulls 1 year and over	No.	63,000	48.8	23.9
Milk Cows and Heifers	"	335,000	42.0	9.3
Beef Cows and Heifers	"	1,321,000	48.2	35.5
Steers 1 year and over	"	480,000	56.0	28.6
Calves	"	936,000	45.6	26.3
Total Cattle and Calves	"	3,135,000	47.7	24.4
Hogs over 6 month	"	400,000	59.5	28.4
Hogs under 6 month	"	970,000	58.7	23.0
Total Hogs	"	1,370,000	58.9	24.4
Sheep 1 year and over	"	199,000	63.8	31.2
Lambs under 1 year	"	210,000	64.0	32.4
Total Sheep and Lambs	"	409,000	63.9	31.8
<u>POULTRY ON FARMS, JUNE 1, 1964*</u>				
Chicks under 2 month	No.	4,800,000	42.1	13.9
Pullets 2 - 6 month	"	860,000	43.6	12.2
Hens & Pullets 6 month & over	"	2,280,000	36.7	10.0
Other 2 month and over	"	660,000	49.2	15.6
Total Hens and Chickens	"	8,600,000	41.1	12.5
Turkeys	"	750,000	32.0	11.5

* Estimated.

